

ABSTRACT

A corrosion resistant rare earth magnet is obtained by
5 (i) applying a treating liquid comprising a flaky fine powder
and a metal sol to a surface of R-T-M-B rare earth permanent
magnet and then heating to form a composite film of flaky
fine powder/metal oxide on the magnet surface; (ii) applying
a treating liquid comprising a flaky fine powder and a silane
10 and/or a partial hydrolyzate thereof to a surface of R-T-M-B
rare earth permanent magnet and then heating a flaky fine
powder/silane and/or partially hydrolyzed silane coating to
form a composite film on the magnet surface; or (iii)
applying a treating liquid comprising a flaky fine powder and
an alkali silicate to a surface of R-T-M-B rare earth
45 permanent magnet and then heating to form a composite film of
flaky fine powder/alkali silicate glass on the magnet
surface.